

RESULT 9 AA65775 425 bp mRNA EST 12-NOV-1997

LOCUS

DEFINITION nu95403.s1 NCI-CGAP_P122 Homo sapiens cDNA clone IMAGE:1218437 similar to WP:027F2.4 CE01171 METHYLTRANSFERASE ; contains Alu repetitive element; mRNA sequence.

ACCESSION AA65775

NID 92616765

KEYWORDS EST.

SOURCE human.

ORGANISM Homo sapiens

Eukaryota; Metazoa; Chordata; Vertebrata; Mammalia; Eutheria; Primates; Catarrhini; Hominoidea; Homo.

REFERENCE 1 (bases 1 to 425)

NCI-CGAP http://www.ncbi.nlm.nih.gov/ncicgap.

National Cancer Institute, Cancer Genome Anatomy Project (CGAP), Tumor Gene Index

Unpublished (1997)

JOURNAL

ENT

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Tel: (301) 496-1550
Email: Robert.Strausberg@nih.gov
Tissue Procurement: Michael J. Brownstein, M.D., Ph.D., Michael R. Emmert-Buck, M.D., Ph.D.
CDNA Library Preparation: M. Bento Soares, Ph.D.
CDNA Library Arrayed by: Greg Lennon, Ph.D.
DNA Sequencing by: Washington University Genome Sequencing Center
clone distribution: NCI-CGAP clone distribution information can be found through the I.M.A.G.E. Consortium/LNL at: www.bio.lnl.gov/bdrip/image/image.html

Seq primer: -40m13 fwd. ET from Amerisham
High quality sequence stop: 396.
Location/Qualifiers

1. 425

/organism="Homo sapiens"
/note="Organ: prostate; Vector: pT73D-Pac (Pharmacia) with a modified polylinker; 1st strand cDNA was prepared from normal prostate bulk tissue, and was then primed with a Not I - Oligo(dT) primer. Double-stranded cDNA was ligated to Eco RI adaptors (Pharmacia) and Eco RI sites of the modified pT73 vector. Library is normalized, and was constructed by Bento Soares and M. Fatima Bonaldo."
/db_xref="taxon:9606"
/clone_image="1218437"
/clone_lib="NCI-CGAP_P122"
/sex="male"
/tissue_type="normal prostate"
/lab_host="DH10B"

BASE COUNT 92 a 128 c 94 g 111 t

ORIGIN

Query Match 37.4%; Score 425; DB 11; Length 425;
Best Local Similarity 100.0%; Pred. No. 0.00e+00;
Matches 425; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Db 1 TCTCCCTGAAAGAAAGATTATATGTTGCGGAGAGATCTTAAACTCTGCGCTCAA 60
|||||
CP 1126 TCTCCCTGAAAGAAAGATTATATGTTGCGGAGAGATCTTAAACTCTGCGCTCAA 1067

Db 61 ATGATCCCTCCACCTCAAGCTCCCTCAAGATGCTGGATTACAGGTGTGAGCCACGAGCGG 120
|||||
CP 1066 ATGATCCCTCCACCTCAAGCTCCCTCAAGATGCTGGATTACAGGTGTGAGCCACGAGCGG 1007

Db 121 GGCCGAGAACTTTTCTTACTGAGAAACATTTTATTAAGCTTTGTA 180
|||||
CP 1006 GGCCGAGAACTTTTCTTACTGAGAAACATTTTATTAAGCTTTGTA 947

Db 181 AATAGTACTTTGCTAGCTAACAATATAGAAAGATGAGAGGAGTCTTTTCCAGAAC 240
|||||
CP 946 AATAGTACTTTGCTAGCTAACAATATAGAAAGATGAGAGGAGTCTTTTCCAGAAC 897

Db 241 CGGCTGCTAGTACAGAGCGGCGCTGGCGGCGGAGTACTGCTGAGTCTG 300
|||||
CP 886 CGGCTGCTAGTACAGAGCGGCGCTGGCGGCGGAGTACTGCTGAGTCTG 827

Db 301 ACTTCCTCCCTGCGGCGCTGTGCGGCTCTTCTTCCAGACCATGCCGACTTTC 360
|||||
CP 826 ACTTCCTCCCTGCGGCGCTGTGCGGCTCTTCTTCCAGACCATGCCGACTTTC 767

Db 361 CTCACATTCCTCCGCTCGACATCTCTTAAGAAACCTCATGTGTGAACAGACTCC 420
|||||
CP 766 CTCACATTCCTCCGCTCGACATCTCTTAAGAAACCTCATGTGTGAACAGACTCC 707

Db 421 CTGGG 425
|||||
CP 706 CTGGG 702

RESULT 10 AA054310 463 bp mRNA EST 01-DEC-1996

LOCUS

DEFINITION 2168a05.s1 StrataGene colon (#937204) Homo sapiens cDNA clone 509744.3' similar to WP:027F2.4 CE01171 METHYLTRANSFERASE ; contains Alu repetitive element; mRNA sequence.

ACCESSION AA054310

NID 91545235

KEYWORDS EST.

SOURCE human.

ORGANISM Homo sapiens

Eukaryota; mitochondria; eukaryotes; Metazoa; Chordata; Vertebrata; Eutheria; Primates; Catarrhini; Hominoidea; Homo.

REFERENCE 1 (bases 1 to 463)

Hillier, L., Clark, N., Dubuque, J., Elliston, K., Hawkins, M., Holman, M., Hultman, M., Kuabara, T., Le, M., Lennon, G., Marra, M., Parsons, J., Rifkin, L., Rohlfing, T., Tan, F., Trevaskis, E., Waterston, R., Williamson, A., Woldmann, P. and Wilson, R.

WashU-Merck EST Project
Unpublished (1995)

TITLE

JOURNAL

COMMENT

Contact: Wilson RK
WashU-Merck EST Project
Washington University School of Medicine
4444 Forest Park Parkway, Box 8501, St. Louis, MO 63108
Tel: 314 286 1800
Fax: 314 286 1810
Email: est@wustl.edu
This clone is available royalty-free through LNL; contact the IMAGE Consortium (lnl@image.lnl.gov) for further information.
Insert Length: 1273 Std Error: 0.00
Seq primer: -40m13 fwd. from Amerisham
High quality sequence stop: 339.
Location/Qualifiers

1. 463

/organism="Homo sapiens"
/note="Organ: colon; Vector: pBluescript SK-; Site: 1; EcoRI; Site: 2; XhoI; Cloned unidirectionally. Primer: Oligo dT, T-84 colonic epithelial cell line. Average insert size: 1.0 kb; Uni-ZAP XR Vector; -5' adaptor sequence: 5' GAATTCGGCAGCAG 3' -3' adaptor sequence: 5' CTGCAATTTTCTTTTCTTTTCTTTT 3'."
/db_xref="taxon:9606"
/clone_image="509744"
/clone_lib="StrataGene colon (#937204)"
/lab_host="SOLR cells (kanamycin resistant)"
complement(1..463)

BASE COUNT 99 a 136 c 100 g 127 t 1 others

ORIGIN

Query Match 36.3%; Score 412; DB 22; Length 463;
Best Local Similarity 98.2%; Pred. No. 0.00e+00;
Matches 444; Conservative 0; Mismatches 3; Indels 5; Gaps 5;

Db 1 TTTCCCTCTGAAAGAAAGATTATATGTTGCGGAGAGATCTTAAACTCTGCGCTC 60

|||||
 Cp 1128 TTTCCTGCTGGAAGAGAGTTTCATATGTTGGCCAG3'CAAGTCTCAAACTCTGCGCTC 1069
 Db 61 AAATGATCTCCACCTCAGCTCCCAAGGTGTGGATTACAGTGTGAGCCACACAGC 120
 Cp 1068 AAATGATCTCCACCTCAGCTCCCAAGGTGTGGATTACAGTGTGAGCCACACAGC 1009
 Db 121 CCGGCCAGAGAGAGTTTCTTCTAGTCAAGAAACATTTTCTTAACTTAGAAGTTCT 180
 Cp 1008 CCGGCCAGAGAGAGTTTCTTCTAGTCAAGAAACATTTTCTTAACTTAGAAGTTCT 949
 Db 181 AAATGATCTTGTGAGTGAACAAATATAGAAAGTGAAGGAGGAGCTTTCAGAA 240
 Cp 948 AAATGATCTTGTGAGTGAACAAATATAGAAAGTGAAGGAGGAGCTTTCAGAA 889
 Db 241 ACCGCTGTGAGTGAACAGGAGGCTTGGCTTGGCGCGGCTGCTAGTGGTGTAGGTC 300
 Cp 888 ACCGCTGTGAGTGAACAGGAGGCTTGGCTTGGCGCGGCTGCTAGTGGTGTAGGTC 829
 Cp 301 TGATTCCTGCTGCGCTGCGCGCTGCGCGCTTCTTCTCAGACACCAATGCGCGACTC 360
 Cp 828 TGATTCCTGCTGCGCTGCGCGCTGCGCGCTTCTTCTCAGACACCAATGCGCGACTC 770
 Db 361 TTCTCAGACATTCGCGCTGCGCGCTGCGCGCTTCTTCTCAGACACCAATGCGCGACTC 420
 Cp 769 TTCTCAGACATTCGCGCTGCGCGCTGCGCGCTTCTTCTCAGACACCAATGCGCGACTC 714
 Db 421 AGACTCCCTGGTCACTTATCTGATTT 452
 Cp 713 AGACTCCCTGGTCACTTATCTGATTT 682

RESULT 11
 LOCUS AA196618 440 bp mRNA EST 22-JAN-1997
 DEFINITION zq59b03.f1 Strata gene neuroepithelium (#37231) Homo sapiens cDNA
 clone 645869 5' similar to SM:YCT1_YEAST P25622 PUTATIVE 30.7 KD
 METHYLTRANSFERASE IN TSM1-THRA INTERGENIC REGION.; mRNA sequence.
 ACCESSION AA196618
 NID 91792276
 KEYWORDS EST.
 SOURCE human.
 ORGANISM Homo sapiens
 Eukaryotes; mitochondrial eukaryotes; Metazoa; Chordata;
 Vertebrata; Euthera; Primates; Catarrhini; Homnidae; Homo.
 1 (bases 1 to 440)
 Hillier, L., Clark, N., Dubuque, T., Elliston, K., Hawkins, M.,
 Holman, M., Hultman, M., Kucaba, T., Le, M., Lennon, G., Marra, M.,
 Parsons, J., Pitkin, L., Rohlfing, T., Tan, F., Trevas, E.,
 Waterston, R., Williamson, A., Wohlmann, P. and Wilson, R.
 WashU-Merck EST Project
 Unpublished (1995)
 TITLE
 JOURNAL
 COMMENT
 Contact: Wilson RK
 WashU-Merck EST Project
 Washington University School of Medicine
 4444 Forest Park Parkway, Box 8501, St. Louis, MO 63108
 Tel: 314 286 1800
 Fax: 314 286 1810
 Email: est@wustl.edu
 This clone is available royalty-free through LNL; contact the
 IMAGE Consortium (info@image.lnl.gov) for further information.
 Seq primer: -28M13 rev2 from Amersham.
 Location/Qualifiers
 1..440
 /organism="Homo sapiens"
 /note="Vector: pBluescript SK-; Site1: EcoRI; Site2:
 XhoI; Cloned unidirectionally. Primer: Oligo dt. NT2
 cells (Ntera-2/Cl.D1) induced with Retinoic Acid for 24
 hours. Average insert size: 1.5 kb; Uni-ZAP XR Vector; -5'
 adaptor sequence: 5' GAATTCGACAGAG 3' -3' adaptor
 sequence: 5' CTCGAGTTTCTTTTCTTTT 3'."
 /db_xref="taxon:9606"

FEATURES
 source

1..440
 /organism="Homo sapiens"
 /note="Vector: pBluescript SK-; Site1: EcoRI; Site2:
 XhoI; Cloned unidirectionally. Primer: Oligo dt. NT2
 cells (Ntera-2/Cl.D1) induced with Retinoic Acid for 24
 hours. Average insert size: 1.5 kb; Uni-ZAP XR Vector; -5'
 adaptor sequence: 5' GAATTCGACAGAG 3' -3' adaptor
 sequence: 5' CTCGAGTTTCTTTTCTTTT 3'."
 /db_xref="taxon:9606"

/clone="645869"
 /clone_id="Stratagene neuroepithelium (#37231)"
 /dex_stage="Ntera-2/RA neuroepithelial cells"
 /lab_host="SOLR (kanamycin resistant)"
 <1..>440
 BASE COUNT 96 a 104 c 134 g 104 t 2 others
 ORIGIN

Query Match 35.0%; Score 409; DB 23; Length 440;
 Best Local Similarity 98.6%; Pred. No. 0.00e+00;
 Matches 433; Conservative 0; Mismatches 2; Indels 4; Gaps 3;

Db 1 TCCCGGCGCGCGCTGCGCGAGCATGCGCGAGAGCTGTTTATGACGAGAGAA 60
 Qy 36 TCCCGGCGCGCGCTGCGCGAGCATGCGCGAGAGCTGTTTATGACGAGAGAA 95
 Db 61 GCCCGGAAATACGTTGCGCACTACGAGATGATGATATCCAGACAGAGATGCTGCGCA 120
 Qy 96 GCCCGGAAATACGTTGCGCACTACGAGATGATGATATCCAGACAGAGATGCTGCGCA 155
 Db 121 GCATGAGCTCTTATCTGCGAGAGATAGGCGCTGCTGCTGATATGCTGAT 180
 Qy 156 GCATGAGCTCTTATCTGCGAGAGATAGGCGCTGCTGCTGATATGCTGAT 215
 Db 181 GGCACGTGGCTGAGTGAAGATATCTGATGATGAAGGCGACATATGGTGGCGCTGAT 240
 Qy 216 GGCACGTGGCTGAGTGAAGATATCTGATGATGAAGGCGACATATGGTGGCGCTGAT 275
 Db 241 ATGAGCGCTGCGCATGCTGATATGATGATGATGATGATGATGATGATGATGAT 300
 Qy 276 ATGAGCGCTGCGCATGCTGATATGATGATGATGATGATGATGATGATGATGAT 335
 Db 301 GGGGATATGAGGCGAGGCGATGCGCATGCGCATGCGCATGCGCATGCGCATGCGCAT 360
 Qy 336 GGGGATATGAGGCGAGGCGATGCGCATGCGCATGCGCATGCGCATGCGCATGCGCAT 395
 Db 361 TCTGCTGTGAGTGTGGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 420
 Qy 396 TCTGCTGTGAGTGTGGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 451
 Db 421 CCTGTACTGCTTTTCT 439
 Qy 452 CCTGTACTGCTTTTCT 470

RESULT 12
 LOCUS AA206556 429 bp mRNA EST 27-JAN-1997
 DEFINITION zq51d05.f1 Strata gene neuroepithelium (#37231) Homo sapiens cDNA
 clone 645129 5' similar to WP:027F2.4 CE01171 METHYLTRANSFERASE ;
 mRNA sequence.
 ACCESSION AA206556
 NID 91801944
 KEYWORDS EST.
 SOURCE human.
 ORGANISM Homo sapiens
 Eukaryotes; mitochondrial eukaryotes; Metazoa; Chordata;
 Vertebrata; Euthera; Primates; Catarrhini; Homnidae; Homo.
 1 (bases 1 to 429)
 Hillier, L., Clark, N., Dubuque, T., Elliston, K., Hawkins, M.,
 Holman, M., Hultman, M., Kucaba, T., Le, M., Lennon, G., Marra, M.,
 Parsons, J., Pitkin, L., Rohlfing, T., Tan, F., Trevas, E.,
 Waterston, R., Williamson, A., Wohlmann, P. and Wilson, R.
 WashU-Merck EST Project
 Unpublished (1995)
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 COMMENT
 Contact: Wilson RK
 WashU-Merck EST Project
 Washington University School of Medicine
 4444 Forest Park Parkway, Box 8501, St. Louis, MO 63108
 Tel: 314 286 1800
 Fax: 314 286 1810
 Email: est@wustl.edu

1..429
 /organism="Homo sapiens"
 /note="Vector: pBluescript SK-; Site1: EcoRI; Site2:
 XhoI; Cloned unidirectionally. Primer: Oligo dt. NT2
 cells (Ntera-2/Cl.D1) induced with Retinoic Acid for 24
 hours. Average insert size: 1.5 kb; Uni-ZAP XR Vector; -5'
 adaptor sequence: 5' GAATTCGACAGAG 3' -3' adaptor
 sequence: 5' CTCGAGTTTCTTTTCTTTT 3'."
 /db_xref="taxon:9606"